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APPLICATION N	0.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/617,940		07/11/2003	Joseph P. Downes	GSIL 0117 PUSA I	3974
22045 7590 04/20/2006			EXAN	MINER	
		MAN P.C.	HEINRICH, SAMUEL M		
	WN CENT Y-SECON	ER D FLOOR	ART UNIT	PAPER NUMBER	
SOUTHFIELD, MI 48075				1725	
			DATE MAILED: 04/20/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)					
Office Antique Commence	10/617,940	DOWNES ET AL.					
Office Action Summary	Examiner	Art Unit					
	Samuel M. Heinrich	1725					
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status		•					
1)⊠ Responsive to communication(s) filed on <u>07 A</u>	Responsive to communication(s) filed on 07 April 2006.						
2a) ☐ This action is <b>FINAL</b> . 2b) ☑ This	s action is non-final.						
3) Since this application is in condition for allowa	secution as to the merits is						
closed in accordance with the practice under I	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4) Claim(s) 39-55 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) 39-55 is/are rejected.  7) Claim(s) is/are objected to.  8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
<ul> <li>9) The specification is objected to by the Examiner.</li> <li>10) The drawing(s) filed on 11 July 2003 is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).</li> <li>11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.</li> </ul>							
Priority under 35 U.S.C. § 119	•						
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>							
Attachment(s)	•	•					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date  S Patent and Todomath Office.							

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#### **DETAILED ACTION**

#### Allowable Subject Matter

The indicated allowability of claims 39-55 is withdrawn in view of the newly discovered reference(s) to EP937533A1 and USPN 6,353,203 to Hokodate et al. Rejections based on the newly cited reference(s) follow.

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 39-55 are rejected under 35 U.S.C. 103(a) as being unpatentable over EP937533A1 in view of Applicant's Admitted Prior Art (AAPA) and in view of USPN 6,353,203 to Hokodate et al. EP937533A1 describes (Derwent Abstract "Novelty" and EP937533A1 Figure 1) a laser drilling method comprising "using an optical sensor to

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monitor light... the optical sensor is positioned out of the line of axis of the laser beam". AAPA discloses (Specification, Pages 1-4, Background of the Invention) well known laser marking systems and the known need for a flexible, economical, high-speed marking system. Hokodate et al describe (column 1, Technical Field) "a laser machining device for drilling, cutting, or marking a material of a printed circuit board, a semiconductor chip or the like". Therefore the use of a well known laser drilling method system having optical sensors located disjoint from an optical axis of the laser marking beam for high resolution marking would have been obvious at the time applicant's invention was made to a person having ordinary skill in the art because the system is well known in the field of laser machining. The instant claimed receiving, imaging, locating, calculating, generating, and setting steps which are prior to the "generating ... a focused laser marking beam" are well known in chip marking because the edge or separating areas on the chip are useful for locating the laser markings.

### Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Gottschald describes use of a laser for marking or drilling (e.g., Title).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samuel M. Heinrich whose telephone number is 571-272-1175. The examiner can normally be reached on M-F.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, P. Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Samuel M Heinrich Primary Examiner Art Unit 1725